

The Many Pathways to a Career In Science

Richard Weibl

Center for Careers in Science and Technology
American Association for the Advancement of Science

SWARM AAAS CONFERENCE





Highlights of AAAS Organization

- Board of Directors Responsible for the affairs of the Association
- Council 86 Council members establish general policies
- Committee on Council Affairs Serves as executive committee of the Council
- Elected Officers Members elect officers including the president-elect, the president, the chairman of the board and members of the board
- 24 Sections Fields of interest among AAAS members, from physics, biology and chemistry to general interest in science
- Four Regional Divisions For members in the Arctic; Caribbean; Pacific; and Southwestern and Rocky Mountain regions
- AAAS Membership ~ 140,000 individual and institutional members
- Affiliates 262 societies and academies of science

Shaping a career
(in science)
has never been
a solitary experience.

Program Areas within AAAS

Four primary program areas fulfill the AAAS mission:

- [Science and Policy](#)
- [International Activities](#)
- [Education and Human Resources](#)
- [Project 2061](#)

Centers

- [Advancing Science and Engineering Capacity](#)
- [Careers in Science and Technology](#)
- [Curriculum Materials in Science](#)
- [Public Engagement with Science and Technology](#)
- [Science, Technology & Congress](#)
- [Science, Technology and Security Policy](#)
- [Science, Technology and Sustainable Development](#)



The screenshot shows the AAAS Career Center website in a web browser. The address bar displays <http://www.aaas.org/careercenter/>. The page features a search bar with the text "SEARCH AAAS.org", a link to "Advanced search", and a dropdown menu for "AAAS Events & Links". A sidebar on the left contains a "Careers" dropdown menu with the following options: "Career Resources", "Undergraduates", "Graduate Students", "Postdocs", "Scientists & Engineers", and "Center for Careers". The main content area is titled "Career Support" and includes a large image of a scientist in a lab coat holding a flask. Below this, a red question mark icon is followed by the text "How can AAAS advance my career?". An answer "A:" follows, stating: "Shaping a career in science has never been a solitary experience. Helping today's and tomorrow's scientists forge a successful career is one way we *advance science and serve society*." Below the answer, a paragraph describes AAAS career development programs. To the right of this paragraph is a small image of a scientist working in a lab. Further down, the page lists "Career Development Resources" with links to ScienceCareers.org, Career Development and Advice, How-To Guides, GrantsNet, Minority Scientists Network, and a forum. This is followed by "Fellowships & Internships" with a list of various programs. Next is "Job Search Assistance" with links to employment at AAAS and ScienceCareers.org Jobs. Finally, the "Meetings and Events" section lists AAAS Annual Meeting Career Workshops and the Scientific Meetings Calendar.

SEARCH AAAS.org

[Advanced search](#)
 AAAS Events & Links ▼

Careers ▼
 Career Resources
 Undergraduates
 Graduate Students
 Postdocs
 Scientists & Engineers
 Center for Careers

Career Support

Q: How can AAAS advance my career?

A: Shaping a career in science has never been a solitary experience. Helping today's and tomorrow's scientists forge a successful career is one way we *advance science and serve society*.

AAAS career development programs provide information, training, and opportunities for collaboration among scientists, policy makers, professional organizations, non-profits, government, and industries regardless of geographic origin or career stage.

Career Development Resources

- [ScienceCareers.org](#)
- [ScienceCareers.org: Career Development and Advice](#)
- [How-To Guides: Advice on Job Search; Resume Writing and More](#)
- [GrantsNet: Funding Resources](#)
- [Minority Scientists Network](#)
- [ScienceCareers.org Forum: Ask an Expert](#)

Fellowships & Internships

- [Canon National Parks Science Scholars](#)
- [Center for Science, Technology and Security Policy Internship](#)
- [ENTRY POINT! Internships for Students with Disabilities](#)
- [Mass Media Science and Engineering Fellowship](#)
- [Merck Undergraduate Science Research Scholars](#)
- [Minority Science Writers Internship](#)
- [Science & Technology Policy Fellowships](#)
- [Science News Writing Internship](#)
- [Fellowships for Reporters from Developing Regions](#)

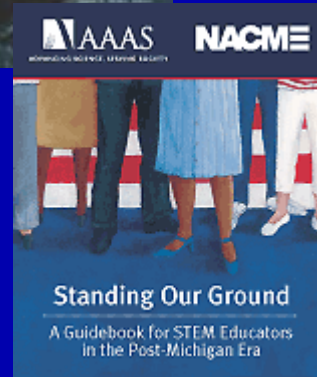
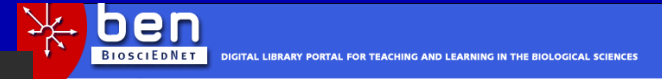
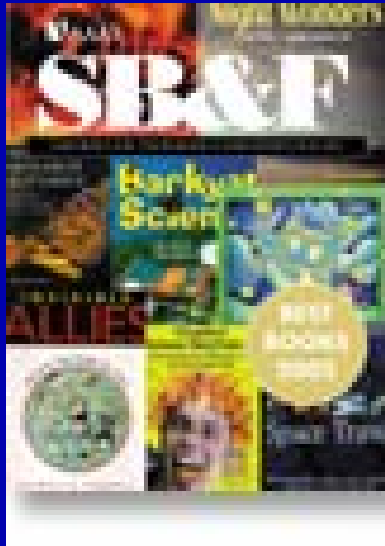
Job Search Assistance

- [Employment at AAAS](#)
- [ScienceCareers.org Jobs](#)

Meetings and Events

- [AAAS Annual Meeting Career Workshops](#)
- [Scientific Meetings Calendar](#)

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EntryPoint!

Annual Meeting

15-19 February 2007 • San Francisco, CA



Science Careers

From the journal *Science*



- Jobs
- Career advice
- Funding database
- Discussion forum

www.sciencecareers.org

Job Search

- Powerful search engine
- Post resume and cover letters
- Get tailored job alerts



Career Development

- New articles each week
- Career advice: networking, resumes, interviewing
- Job market news, alternative careers
- Balancing work and life
- Browse by career stage, discipline



GrantsNet

- Most comprehensive funding database
- Government and private foundation grants
- Research funding
- Student and institutional support
- Monthly Funding News



Science Careers


From the journal *Science*



www.sciencecareers.org

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**APS Education Online**
EDUCATIONAL RESOURCES OF THE AMERICAN PHYSIOLOGICAL SOCIETY

The APS Home | APS Education Home

HOME | CAREER INFO | AWARDS & FELLOWSHIPS | SEARCH | MEMBERSHIP

The-APS.org > APS Education Online > Graduate/Professional

K-12

Undergraduate

Graduate/Professional

Continuing Education

Minority Programs

Teaching Resources


Publications

**2003
PRESIDENTIAL
AWARD FOR
EXCELLENCE**

9650 Rockville Pike
Bethesda, MD
20814-3991 USA

301.634.7132
301.634.7098 fax
education@the-aps.org

The E-Mentoring Network for Diversity
in Engineering and Science

 **MentorNet**
www.MentorNet.net

Graduate/Professional Overview

Teaching Resources
Resources to help graduate and professional school educators teach physiology effectively

Professional Fellowships & Awards
APS fellowships and awards for postdoctoral fellows

Student Fellowships & Awards
APS fellowships and awards for graduate students

Career Resources
Information and a wide variety of resources specifically for graduate students and for postdoctoral fellows embarking on careers in physiology

- Professional Skills Training Workshops **NEW!**
- Listen to & view the EB 2007 trainee, careers & mentoring symposia **NEW!**

Educational Programs
APS collaborates with a number of organizations and institutions on innovative programs sponsored by federal agencies and private funders

Program Evaluation Resources
CD and web-based resources designed for those planning an evaluation for most types of educational programs or projects

Web Links
Links to other organizations and programs serving the graduate student and postdoctoral fellow communities

Check out the **APS Trainees Web Site**

http://www.the-aps.org/education/edu_grad.html

WWW.THE-APS.ORG/EDUCATION

WWW.THE-APS.ORG/EDUCATION

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PHYSICAL SCIENCES AND ENGINEERING
JOB FAIR
March 10-11, 2008 - New Orleans, LA [Register Today!](#)

physics
today.org **jobs** your daily destination for science & engineering jobs since 1993

Job Seeker Login Search Jobs Post Resumes Job Fairs Career Resources **FOR EMPLOYERS**

Landing Your First Job

Below are several links to valuable information from *Landing Your First Job – A Guide for Physics Students*, written by John Rigden for the American Institute of Physics (AIP).

These excerpts can assist you in putting your best, most knowledgeable foot forward when searching for a new job!

1. [Resume Writing Tips](#)
2. [Cover Letter Writing Tips](#)
3. [Common Interview Questions](#)
4. [Tips for Networking](#)
5. [Keys to Salary Negotiations](#)



A Guide for Physics Students

 **Featured Jobs**
31 January 2008

Yale University,
Department of Applied
Physics
New Haven, CT
[Postdoctoral Associate](#)

**National Taiwan
University**
Nationwide, TWN
[Faculty Positions in
Physics and Astrophysics](#)

**Sypris Test &
Measurement**
Orlando, FL
[Thin Film Growth
Technician \(\\$2,500
Signon Bonus\)](#)

Sandia National Labs
Livermore, CA
[Interfacial Science of
Materials Research
Scientists](#)

Jobs and resumes also
appear on partner sites:

 APS Career
Center

 AVS Career
Center

 AAPT Career
Center

 Affiliate: SPS

Success Stories

 Member of
International Association
of Employment Web Sites

QUESTIONS? Online-Only jobs, Banners, and Job Fairs — 301.209.3190 or ptjobs@aip.org | Print plus online jobs — 516.576.2439 or classes@aip.org

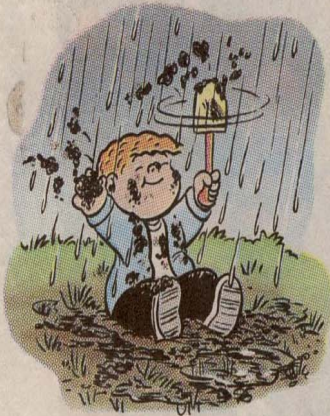
About Us | Advertising | Security Tips | Privacy Policy | Terms & Conditions

<http://www.physicstoday.org/jobs/seek/firstjob.html>

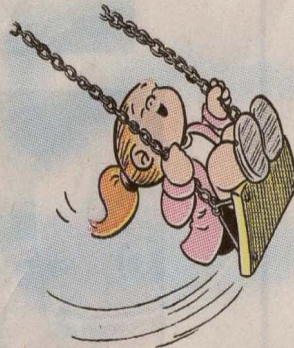
FAMILY CIRCUS

By Bil Keane

ADVANCED
HIGHER
EDUCATION



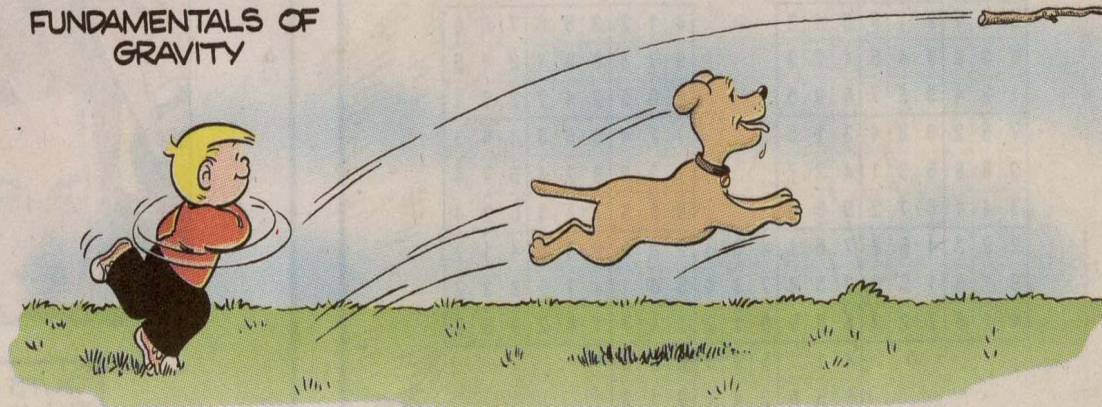
EARTH SCIENCE
LAB



FUNDAMENTALS OF
GRAVITY



ELEMENTARY MURAL TECHNIQUES



MISSILE RETRIEVAL EXPERIMENT

JEFF
and
BIL
KEANE

10-7

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WWW.FAMILYCIRCUS.COM

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www.aaas.org/careercenter